

FIG 1A.

KTCYEGNGHFYRGKASTDTMGRPCLPWNSATVLQQTYHAHRSDALQLGL
GKHNYCRNPDNRRRPWCYVQVGLKPLVQECMVHDCADGK

FIG 1B.

SNELHQVPSNCDCLNGGTCVSNKYFSNIHWCNCPKKFGGQHCEIDKS

FIG 1C.

SNELHQVPSNCDCLNGGTCVSNKYFSNIHWCNCPKKFGGQHCEIDKSKTC
YEGNGHFYRGKASTDTMGRPCLPWNSATVLQQTYHAHRSDALQLGLGK
HNYCRNPDNRRRPWCYVQVGLKPLVQECMVHDCADGKKPSSPPEELKFQ
CGQKTLRPRFKIIGGEFTTIENQPWF AAIYRRHRGGSVTYVCGGSLISPCWV
ISATHCFIDYPKKEDYIVYLGRSRLNSNTQGEMKFEVENLILHKDYSADTL
AHHNDIALLKIRSKEGRCAQPSRTIQTICLPSMYNDPQFGTSCEITGFGKENS
TDYLYPEQLKMTVVKLISHRECQQPHYYGSEVTTKMLCAADPQWKTDSC
QGDSGGPLVCSLQGRMTLTGIVSWGRGCALKDKPGVYTRVSHFLPWIRSH
TKEENGLAL

FIG 1D.

SNELHQVPSNCDCLNGGTCVSNKYFSNIHWCNCPKKFGGQHCEIDKSKTC
YEGNGHFYRGKASTDTMGRPCLPWNSATVLQQTYHAHRSDALQLGLGK
HNYCRNPDNRRRPWCYVQVGLKPLVQECMVHDCADGK

FIG 1E.

KPSSPPEELKFQCGQKTLRPRFKIIGGEFTTIENQPWF AAIYRRHRGGSVTY
VCGGSLISPCWVISATHCFIDYPKKEDYIVYLGRSRLNSNTQGEMKFEVEN
LILHKDYSADTLAHHNDIALLKIRSKEGRCAQPSRTIQTICLPSMYNDPQFG
TSCEITGFGKENSTDYLYPEQLKMTVVKLISHRECQQPHYYGSEVTTKMLC
AADPQWKTDSCQGDSGGPLVCSLQGRMTLTGIVSWGRGCALKDKPGVYT
RVSHFLPWIRSHTKEENGLAL

FIG 1F.

SNELHQVPSNCDCLNGGTCVSNKYFSNIHWCNCPKKFGGQHCEIDKSKTC
YEGNGHFYRGKASTDTMGRPCLPWNSATVLQQTYHAHRSDALQLGLGK
HNYCRNPDNRRRPWCYVQVGLKPLVQECMVHDCADGK//LKFCGQKTL
RPRFKIIGGEFTTIENQPWF AAIYRRHRGGSVTYVCGGSLISPCWVISATHCF
IDYPKKEDYIVYLGRSRLNSNTQGEMKFEVENLILHKDYSADTLAHHNDIA
LLKIRSKEGRCAQPSRTIQTICLPSMYNDPQFGTSCEITGFGKENSTDYLYPE
QLKMTVVKLISHRECQQPHYYGSEVTTKMLCAADPQWKTDSCQGDSGGP
LVCSLQGRMTLTGIVSWGRGCALKDKPGVYTRVSHFLPWIRSHTKKEENGL
AL

FIG 1G.

SNELHQVPSNCDCLNGGTCVSNKYFSNIHWCNCPKKFGGQHCEIDKS//KPS
SPPEELKFQCGQKTLRPRFKIIGGEFTTIENQPWF AAIYRRHRGGSVTYVCG
GSLISPCWVISATHCFIDYPKKEDYIVYLGRSRLNSNTQGEMKFEVENLILH
KDYSADTLAHHNDIALLLKIRSKEGRCAQPSRTIQTICLPSMYNDPQFGTSCE
ITGFGKENSTDYLYPEQLKMTVVKLISHRECQQPHYYGSEVTTKMLCAAD
PQWKTDSCQGDSGGPLVCSLQGRMTLTGIVSWGRGCALKDKPGVYTRVS
HFLPWIRSHTKKEENGLAL

FIG 1H.

SNELHQVPSNCDCLNGGTCVSNKYFSNIHWCNCPKKFGGQHCEIDKSKTC
YEGNGHFYRGKASTDTMGRPCLPWNSATVLQQTYHAHRSDALQLGLGK
HNYCRNPDNRRRPWCYVQVGLKPLVQECMVHDCADGKKPSSPPEE

FIG 1I.

KTCYEGNGHFYRGKASTDTMGRPCLPWNSATVLQQTYHAHRSDALQLGL
GKHNYCRNPDNRRRPWCYVQVGLKPLVQECMVHDCADGKKPSSPPEE

FIG 1J.

aaaacctgctatgaggggaatggtcacttttaccgaggaaaggccagcactgaca
ccatggggccggccctgcctgccctggaactctgccactgtccttcagcaaacgta
ccatgcccacagatctgatgctcttcagctgggcctggggaaacataattactgc
aggaacccagacaaccggaggcgaccctggtgctatgtgcaggtgggcctaaagc
cgcttgtccaagagtgcattggtgcatgactgcgagatggaaaa

FIG 1K.

agcaatgaacttcatcaagttccatcgaactgtgactgtctaaatggaggaacat
gtgtgtccaacaagtacttctccaacattcactggtgcaactgccc aaagaaatt
cggagggcagcactgtgaaatagataagtcaaaaacctgctatgaggggaatggt

FIG 1L.

agcaatgaacttcatcaagttccatcgaactgtgactgtctaaatggaggaacat
gtgtgtccaacaagtacttctccaacattcactggtgcaactgccc aaagaaatt
cggagggcagcactgtgaaatagataagtcaaaaacctgctatgaggggaatggt
cacttttaccgaggaaaggccagcactgacaccatggggccggccctgcctgccct
ggaactctgccactgtccttcagcaaacgtaccatgcccacagatctgatgctct
tcagctgggcctggggaaacataattactgcaggaacccagacaaccggaggcga
ccctggtgctatgtgcaggtgggcctaaagccgcttgtccaagagtgcattggtgc
atgactgcgagatggaaaaaagccctcctctcctccagaagaattaaaatttca
gtgtggccaaaagactctgagggccccgctttaagattattgggggagaattcacc
accatcgagaaccagccctgggttgcggccatctacaggaggcaccgggggggct
ctgtcacctacgtgtgtggaggcagcctcatcagcccttgctgggtgatcagcgc
cacacactgcttcattgattacccaaagaaggaggactacatcgtctacctgggt
cgctcaaggcttaactccaacacgcaaggggagatgaagtttgaggtggaaaacc
tcattctacacaaggactacagcgctgacacgcttgctcaccacaacgacattgc
cttgctgaagatccgttccaaggaggggcaggtgtgcgagccatcccggactata
cagaccatctgcctgccctcgatgtataacgatccccagtttggcacaagctgtg
agatcactggctttggaaaagagaattctaccgactatctctatccggagcagct
gaaaatgactgttgtaagctgatttcccaccgggagtgtcagcagccccactac
tacggctctgaagtcaccacccaaaatgctatgtgctgctgacccccaatggaaaa
cagattcctgccaggggagactcagggggaccctcgtctgttccctccaaggccg
catgactttgactggaattgtgagctggggccgtggatgtgccctgaaggacaag
ccaggcgtctacacgagaggtctcacacttcttaccctggatccgcagtcacacca
aggaagagaatggcctggccctctga

FIG 1M.

agcaatgaacttcatcaagttccatcgaactgtgactgtctaaatggaggaacat
gtgtgtccaacaagtacttctccaacattcactggtgcaactgccccaaagaaatt
cggaggggcagcactgtgaaatagataagtcaaaaacctgctatgaggggaatggt
cacttttaccgaggaaaggccagcactgacaccatggggccggccctgcctgccct
ggaactctgccactgtccttcagcaaactgacctgcccacagatctgatgctct
tcagctgggcctggggaaacataattactgcaggaacccagacaaccggaggcga
ccctggtgctatgtgcaggtgggcctaaagccgcttgtccaagagtgcattggtgc
atgactgcgagatggaaaa

FIG 1N.

aagccctcctctcctccagaagaattaaaatttcagtgtggccaaaagactctga
ggccccgctttaagattattgggggagaattcaccaccatcgagaaccagccctg
gtttgcggccatctacaggaggcaccgggggggctctgtcacctacgtgtgtgga
ggcagcctcatcagcccttgctgggtgatcagcgccacacactgcttcattgatt
acccaaagaaggaggactacatcgtctacctgggtcgctcaaggcttaactccaa
cacgcaaggggagatgaagtttgaggtggaaaacctcatcctacacaaggactac
agcgctgacacgcttgctcaccacaacgacattgccttgctgaagatccggtcca
aggaggggcaggtgtgcgagccatcccggactatacagaccatctgcctgccctc
gatgtataacgatccccagtttggcacaagctgtgagatcactggctttggaaaa
gagaattctaccgactatctctatccggagcagctgaaaatgactggttgtgaagc
tgatttcccaccgggagtgctcagcagccccactactacggctctgaagtcaccac
caaaatgctatgtgctgctgacccccaatggaaaacagattcctgccagggagac
tcaggggggacccctcgtctgttccctccaaggccgcatgactttgactggaattg
tgagctggggccgtggatgtgccctgaaggacaagccaggcgtctacacgagagt
ctcacacttcttaccctggatccgcagtcacaccaaggaagagaatggcctggcc
ctctga

FIG 10.

agcaatgaacttcatcaagttccatcgaactgtgactgtctaaatggaggaacat
gtgtgtccaacaagtacttctccaacattcactggtgcaactgccccaaagaaatt
cggagggcagcactgtgaaatagataagtcaaaaacctgctatgaggggaatggt
cacttttaccgaggaaaggccagcactgacaccatgggcccggccctgcctgccct
ggaactctgccactgtccttcagcaaactgacctgcccacagatctgatgctct
tcagctgggcctggggaaacataattactgcaggaacccagacaaccggaggcga
ccctggtgctatgtgacaggtgggcctaaagccgcttgtccaagagtgcattggtgc
atgactgcgagatggaaaattaaaatttcagtgtggccaaaagactctgaggcc
ccgctttaagattattggggggagaattcaccaccatcgagaaccagccctgggtt
gcggccatctacaggaggcaccgggggggctctgtcacctacgtgtgtggaggca
gcctcatcagcccttgctgggtgatcagcgccacacactgcttcattgattacc
aaagaaggaggactacatcgctctacctgggtcgctcaaggcttaactccaacacg
caaggggagatgaagtttgaggtggaaaacctcatcctacacaaggactacagcg
ctgacacgcttgctcaccacaacgacattgccttgctgaagatccgttccaagga
gggcaggtgtgcgagccatcccggactatacagaccatctgcctgccctcgatg
tataacgatccccagtttggcacaagctgtgagatcactggctttggaaaagaga
attctaccgactatctctatccggagcagctgaaaatgactggtgtgaagctgat
ttcccaccgggagtgtcagcagccccactactacggctctgaagtcaccaccaa
atgctatgtgctgctgacccccaatggaaaacagattcctgccaggaggactcag
ggggacccctcgctctgttcctccaaggccgcatgactttgactggaattgtgag
ctggggccgtggatgtgccctgaaggacaagccaggcgtctacacgagagtctca
cacttctaccttggtccgcagtcacaccaaggaagagaatggcctggccctct
ga

FIG 1P.

agcaatgaacttcatcaagttccatcgaactgtgactgtctaaatggaggaacat
gtgtgtccaacaagtacttctccaacattcactggtgcaactgccccaaagaaatt
cggaggggcagcactgtgaaatagataagtcaaagccctcctctcctccagaagaa
ttaaaatttcagtgtggccaaaagactctgaggccccgctttaagattattgggg
gagaattcaccaccatcgagaaccagccctggtttgcgcccatctacaggaggca
ccgggggggctctgtcacctacgtgtgtggaggcagcctcatcagcccttgctgg
gtgatcagcgccacacactgcttcattgattacccaaagaaggaggactacatcg
tctacctgggtcgctcaaggcttaactccaacacgcaaggggagatgaagtttga
ggtggaaaacctcatcctacacaaggactacagcgctgacacgcttgctcaccac
aacgacattgccttgctgaagatccggtccaaggaggggcaggtgtgcgagccat
cccggactatacagaccatctgcctgccctcgatgtataacgatccccagtttg
cacaagctgtgagatcactggctttggaaaagagaattctaccgactatctctat
ccggagcagctgaaaatgactgttgtgaagctgatttcccaccgggagtgctcagc
agccccactactacggctctgaagtcaccaccaaagtgtatgtgctgctgaccc
ccaatggaaaacagattcctgccaggaggagactcagggggacccctcgtctgttcc
ctccaaggccgcatgactttgactggaattgtgagctggggccggtggatgtgcc
tgaaggacaagccaggcgtctacacgagagtctcacacttcttaccctggatccg
cagtcacaccaaggaagagaatggcctggccctctga

FIG 1Q.

agcaatgaacttcatcaagttccatcgaactgtgactgtctaaatggaggaacat
gtgtgtccaacaagtacttctccaacattcactggtgcaactgccccaaagaaatt
cggaggggcagcactgtgaaatagataagtcaaaaacctgctatgaggggaatggt
cacttttaccgaggaaaggccagcactgacaccatgggcccggccctgcctgcct
ggaactctgccactgtccttcagcaaacgtaccatgcccacagatctgatgctct
tcagctgggcctggggaaacataattactgcaggaaccagacaaccggaggcga
ccctgggtgctatgtgcaggtgggcctaaagccgcttgtccaagagtgcaggtgc
atgactgcgagatggaaaaaagccctcctctcctccagaagaa

FIG 1R.

aaaacctgctatgaggggaatggtcacttttaccgaggaaaggccagcactgaca
ccatgggcccggccctgcctgccctggaactctgccactgtccttcagcaaacgta
ccatgcccacagatctgatgctcttcagctgggcctggggaaacataattactgc
aggaaccagacaaccggaggcgaccctggtgctatgtgcaggtgggcctaaagc
cgcttgtccaagagtgcaggtgcagtgactgcgagatggaaaaaagccctcctc
tcctccagaagaa

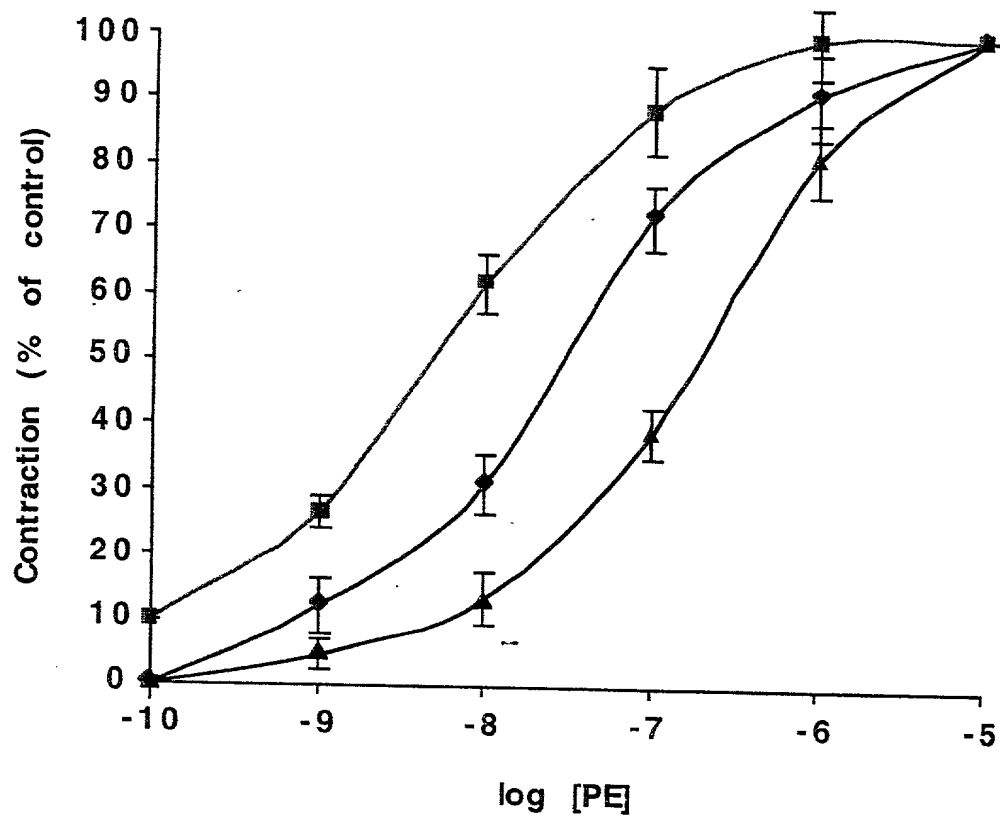


FIGURE 2

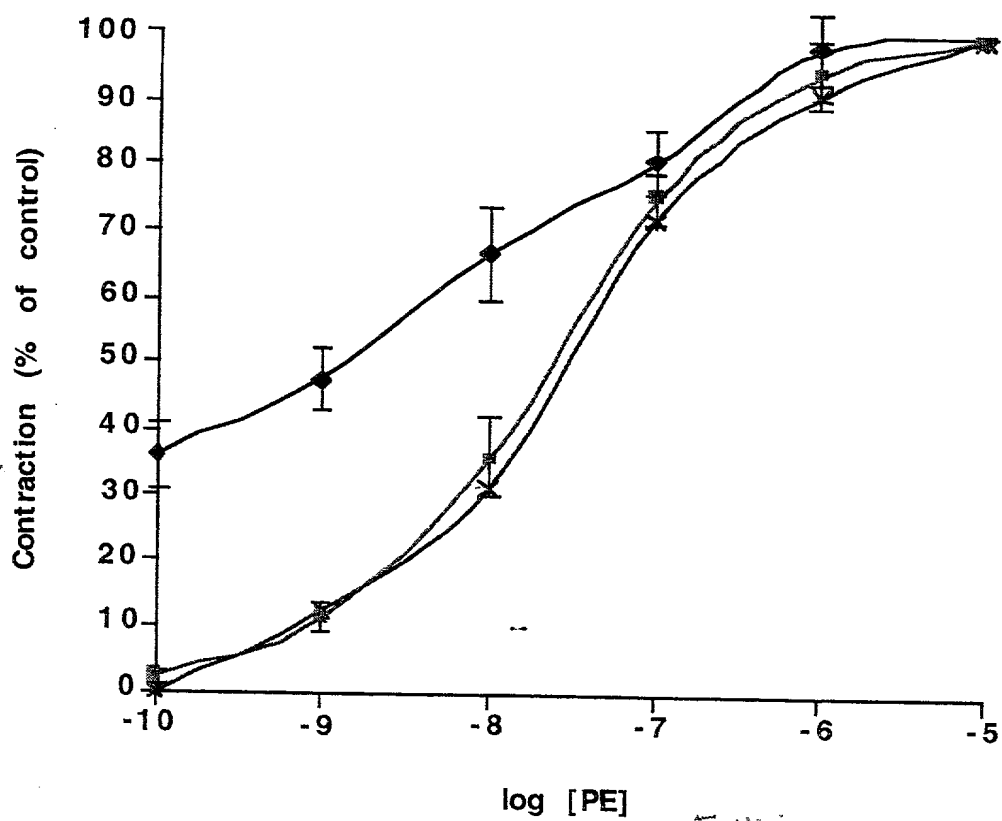


FIGURE 3

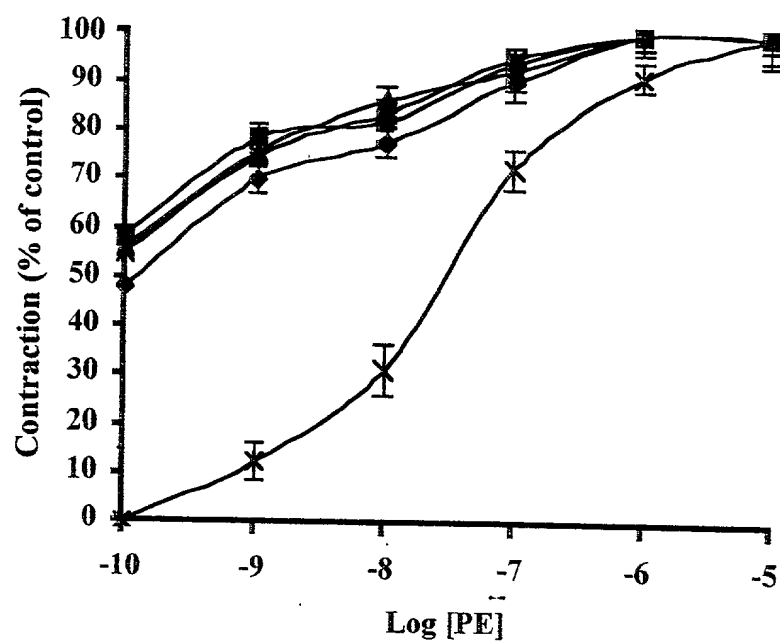


FIGURE 4

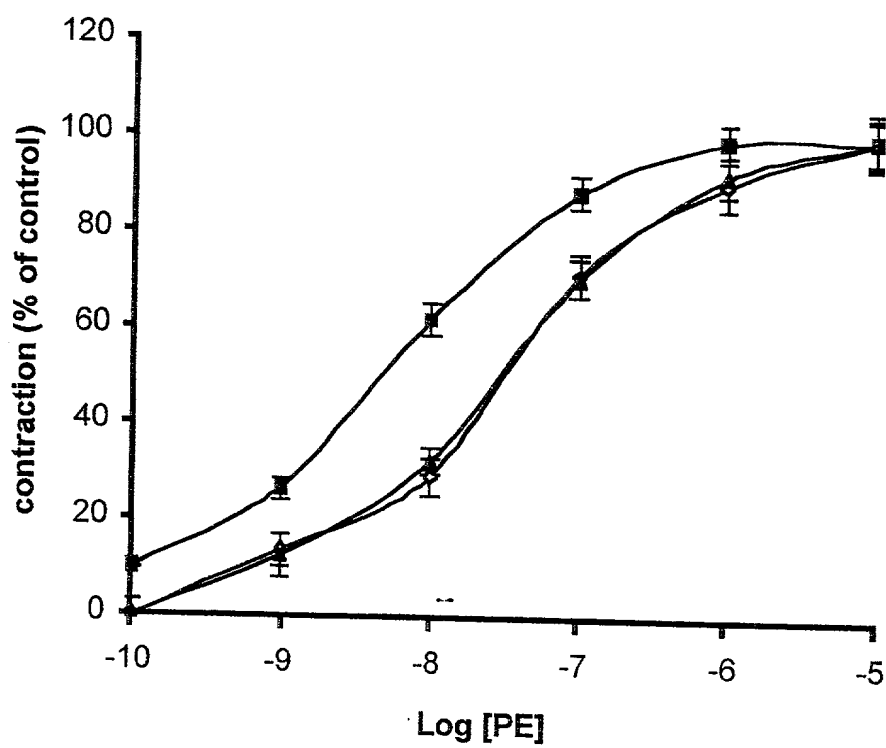


FIGURE 5A

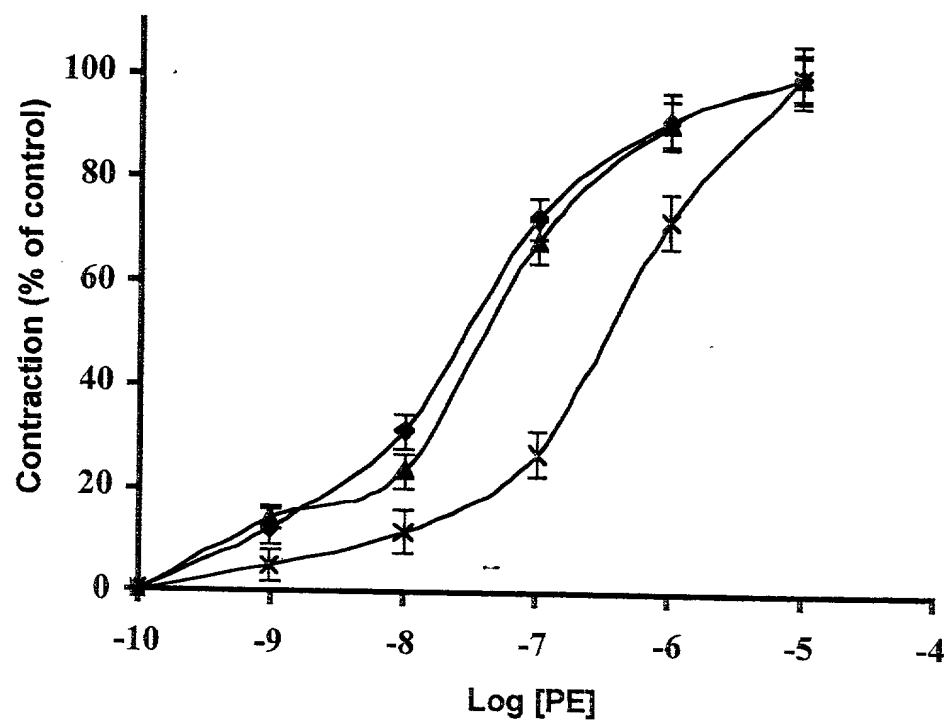
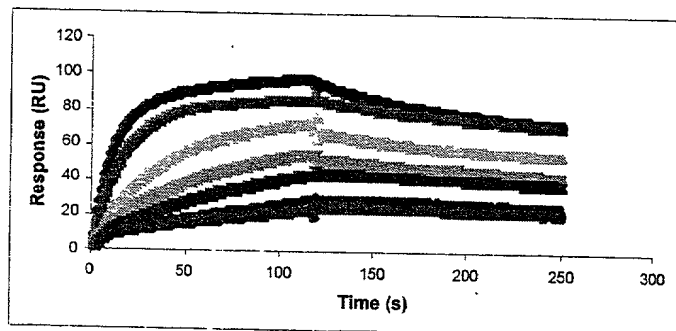
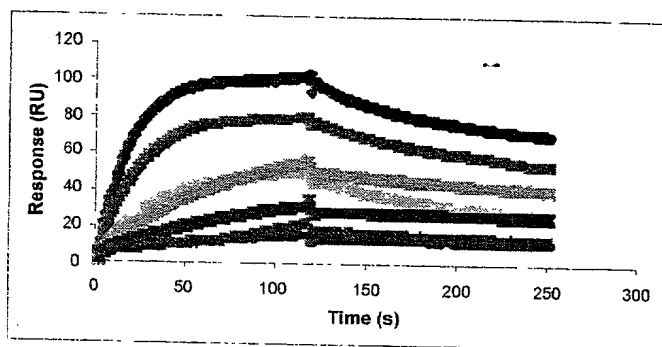


FIGURE 5B

A



B



C

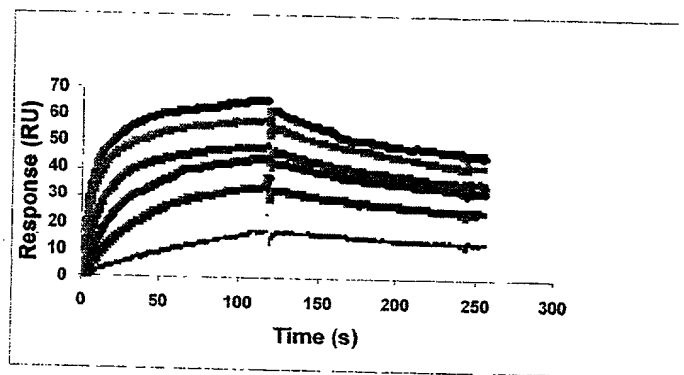


FIGURE 6

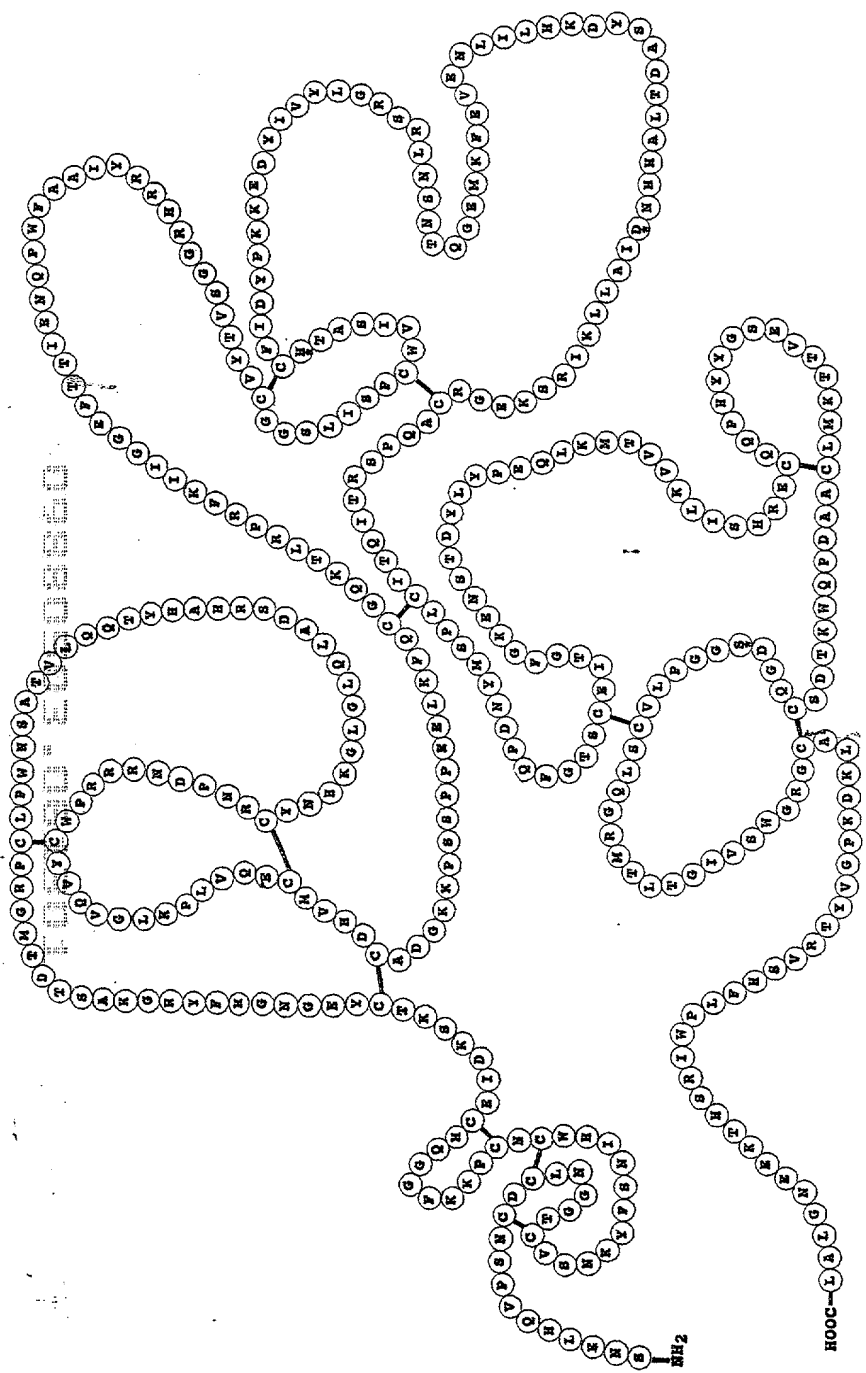


FIGURE 7

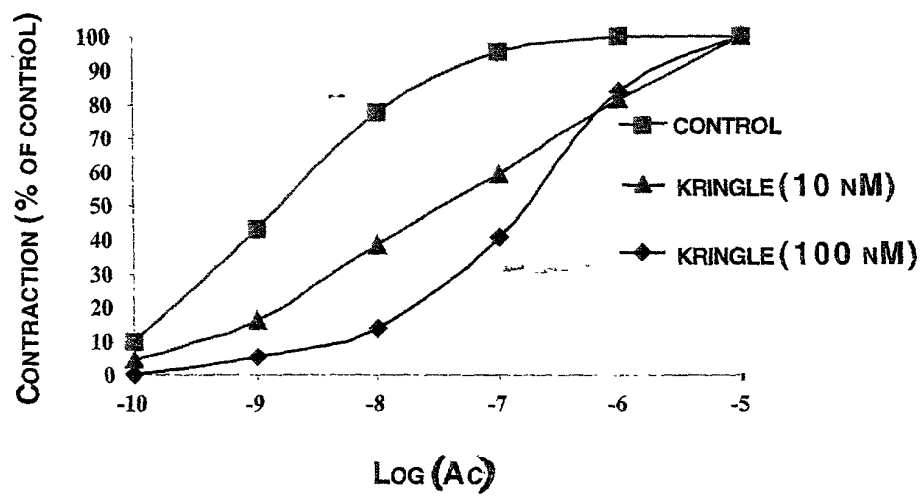


FIGURE 8